Use Attainability Analysis

for

WBID 0912 Davis Creek

Submitted by
SES, Inc.

to
Missouri Department of Natural Resources
Water Protection Program

Date received: November 14, 2007

Field Data Sheets for Recreation Use Stream Surveys

Data Sheet A - Water Body Identification

I. Water Body Information (For water body being surveyed)

Water Body Name (from USGS 7.5' quad): Davis Creek	
Missouri Water Body Identification (WBID) Number: 912	
8 digit HUC code: 10300104	County: Lafayette
Upstream Legal Description (from Table H): T48N R28W Sec 13	
Downstream Legal Description (from Table H): T48N R26W Sec 8	
Number of sites evaluated: 6	
List all site numbers, listed consequently upstream to downstream: 1,2,3,4,5,6	

Site Locations Map(s): Attach a map of the entire segment with assessment sites clearly labeled. Mark any other items that may be of interest.

II. Facility Information (list all permitted discharges to the water body segment)

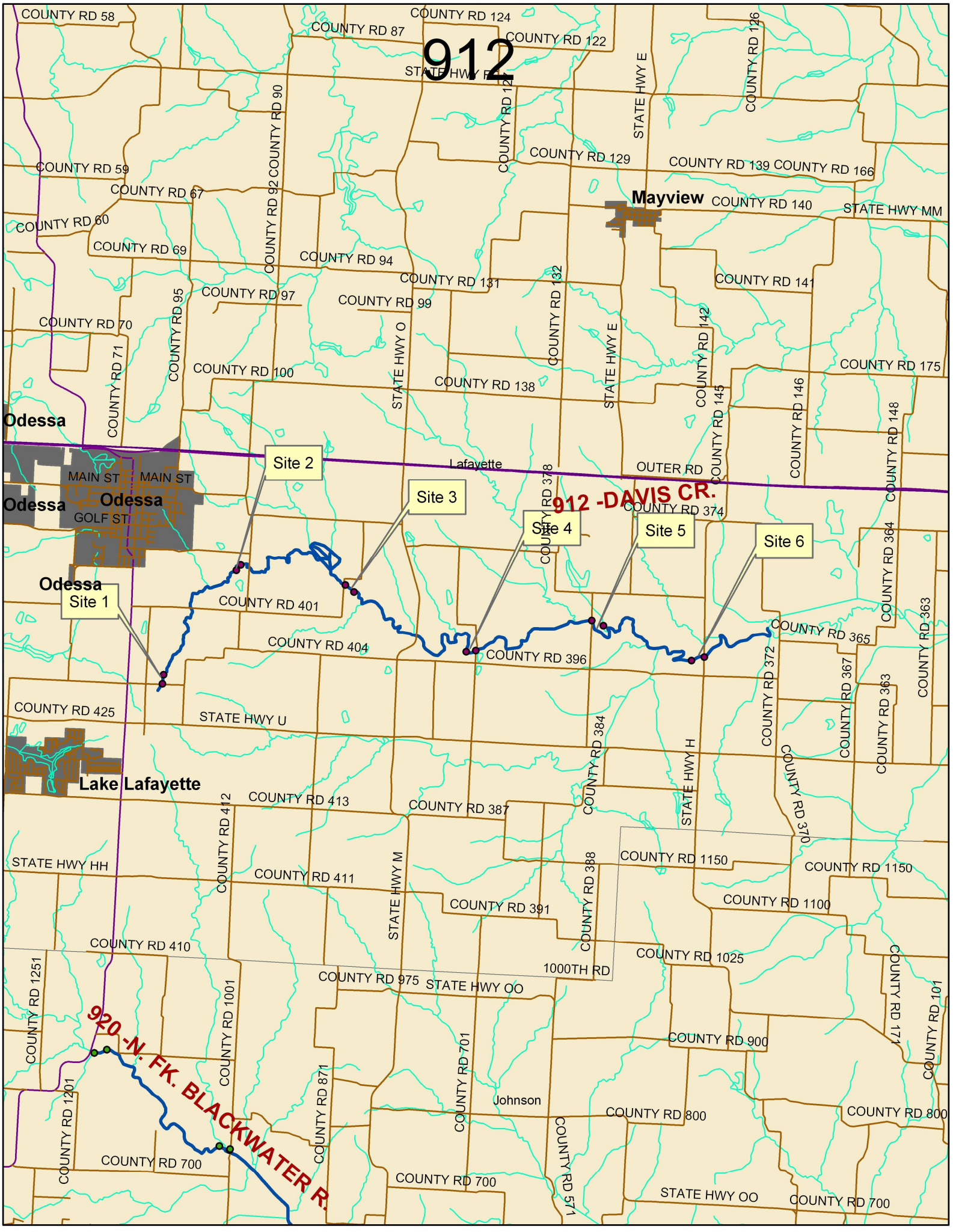
Facility Name(s) and Permit Number(s): Odessa Municipal WWTF MO 0026387

III. UAA Surveyor (please print legibly)

Name of Surveyor: Aaron Ball	Telephone Number: (913)307-0046
Organization/Employer: SES, Inc.	

Please verify that you have completed all sections, checked all applicable boxes, and that the form is complete.

Signed: **Aaron Ball** **Date:** **11.09.07**


912
912 -DAVIS CR.
920 -N. FK. BLACKWATER R.
Site 1
Site 2
Site 3
Site 4
Site 5
Site 6
Odessa
Mayview
Lake Lafayette
Johnson
Lafayette
MAIN ST
GOLF ST
OUTER RD
1000TH RD
COUNTY RD 58
COUNTY RD 87
COUNTY RD 124
COUNTY RD 122
STATE HWY E
COUNTY RD 126
COUNTY RD 59
COUNTY RD 67
COUNTY RD 92
COUNTY RD 90
COUNTY RD 129
COUNTY RD 139
COUNTY RD 166
COUNTY RD 60
COUNTY RD 140
STATE HWY MM
COUNTY RD 69
COUNTY RD 94
COUNTY RD 131
COUNTY RD 132
COUNTY RD 141
COUNTY RD 97
COUNTY RD 99
COUNTY RD 70
COUNTY RD 71
COUNTY RD 95
STATE HWY O
COUNTY RD 142
COUNTY RD 175
COUNTY RD 100
COUNTY RD 138
COUNTY RD 145
COUNTY RD 146
COUNTY RD 148
COUNTY RD 378
COUNTY RD 374
COUNTY RD 364
COUNTY RD 401
COUNTY RD 404
COUNTY RD 396
COUNTY RD 365
COUNTY RD 372
COUNTY RD 367
COUNTY RD 363
COUNTY RD 425
STATE HWY U
COUNTY RD 384
STATE HWY H
COUNTY RD 370
COUNTY RD 412
COUNTY RD 413
COUNTY RD 387
STATE HWY HH
COUNTY RD 411
STATE HWY M
COUNTY RD 391
COUNTY RD 388
COUNTY RD 1150
COUNTY RD 1100
COUNTY RD 410
COUNTY RD 1025
COUNTY RD 975
STATE HWY OO
COUNTY RD 1251
COUNTY RD 1001
COUNTY RD 701
COUNTY RD 900
COUNTY RD 177
COUNTY RD 101
COUNTY RD 1201
COUNTY RD 871
COUNTY RD 800
COUNTY RD 700
COUNTY RD 571

WBID # 912
Site # 1

Field Data Sheets For Recreatiuonal Use Stream Surveys

Data Sheet B-Site Characterization

Date & Time: 10/26/07 11:35	Site Location Description (e.g. road crossing):
Personnel: Aaron Ball, Drew Dodson	Varier Rd.
Current Weather Conditions: cloudy	Facility Name: Odessa Municipal WWTF
Weather conditions for the past 10 days: 1.96 inches	Permit Number: MO 0026387
Drought conditions?: No drought ☑ ; Phase I ☐ ; Phase II ☐ ; Phase III ☐ ; Phase IV ☐ ; Unknown ☐	

Site Location:

Location Coordinates (Universal Transverse Mercator Projection, In Meters				
Site 01	Easting (UTM X):	Northing (UTM Y):	Horizontal Accuracy:	Meters
	0418080	4313180		4.2
Site 11	Easting (UTM X):	Northing (UTM Y):	Horizontal Accuracy:	Meters
	0418104	4313371		4.2

Photos:

Photo ID#	Photo Purpose	Photo ID#:	Photo Purpose	Photo ID#:	Photo Purpose
47	Upstream	48	Downstream		
Photo ID#	Photo Purpose	Photo ID#	Photo Purpose	Photo ID#	Photo Purpose
Photo ID#	Photo Purpose	Photo ID#	Photo Purpose	Photo ID#	Photo Purpose

Uses Observed:

☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water Skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☑ None of the above	☐ Other:
Describe:				

WBID # 912
Site # 1

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B- Site Characterization (Continued)

Surrounding Conditions:

☐ City/County parks	☐ playgrounds	☐ MDC conservation lands	☐ Urban areas	☑ Rural Residential
☐ Campgrounds	☐ State parks	☐ National Forests	☐ Nature trails	☐ Stairs/walkways
☐ Boating accesses	☐ Fence	☐ No tresspass sign	☐ Steep Slopes	☐ Other:
Comments: none				

Evidence of Human Use:

☑ Roads	☐ Foot path/prints	☐ Dock/platform	☐ Camping Sites	☐ Rope swings
☐ RV/ATV Tracks	☐ Fire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle	☐ Livestock watering
comments/other: none				

Substrate:

% Cobble	% Gravel	% Sand	% Silt	% Mud/Clay	% Bedrock
				100	

Aquatic Vegatation:

N/A

Water Characteristics:

Odor:	☐ Sewage	☐ Musky	☐ Chemical	☑ None	☐ Other:
Color:	☐ Clear	☐Green	☐ Gray	☐ Milky	☑ Other:
					N/A
Bottom Deposit:	☐ Sludge	☐ Solids	☐ Fine sediments	☑ None	☐ Other:
Surface Deposit:	☐ Oil	☐ Scum	☐ Foam	☑None	☐ Other:

WBID # 912
Site # 1

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization (continued)

Additional Stream Morphology: (Record isolated pools or other features identified during the survey that may support recreational uses)

Channel Feature	Distance from access location (m)	Width (m)	Length (m)	Median Depth (m)	Max Depth (m)

Comments: (Please record any additional comments here.)

Land owner said creek only holds water after major land events.

Please verify that you have completed all sections, checked all applicable boxes, and that the form is complete.

Surveyor's Signature: Aaron Ball Date of Survey: 10/26/2007

Organization: SES, Inc. Position: Field Team Leader

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C - Field Survey Results

Waterbody ID: 912 Site #: 1

Estimated Channel Incision: 1.0 (m) (height between low bank width and water)

GPS Location - Easting (UTM X), Northing (UTM Y), Horizontal Accuracy Estimate (EPE / PDOP / FOM)

01 UTM X: 0418080 UTM Y: 4313180 +/- 4.2 (meters)

11 UTM X: 0418104 UTM Y: 4313371 +/- 4.2 (meters)

Average Stream Width: N/A (meters) (To determne Length of Reach)

Length of Survey Segment: 150 (meters) (20x average stream width)

Field Staff: Aaron Ball, Drew Dodson

Dissolved Oxygen

Date: 10/26/07 Time: 11:35

Dissolved Oxygen: N/A (mg/L)

Dissolved Oxygen: (% sat)

Specific Cond: (µS/cm)

Water Temperature: N/A (°C)

Transect Cross-Section

	01		02		03		04		05		06		07		08		09		10		11	
Station	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)
Left Bank	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	#####	0.00	#####	0.00	#####	0.00	#####	0.00	#####	0.00	#####	0.00	#####	0.00	######	0.00	#####	0.00	#####	0.00	#####	0.00
2	#####	0.00	#####	0.00	#####	0.00	#####	0.00	#####	0.00	#####	0.00	#####	0.00	######	0.00	#####	0.00	#####	0.00	#####	0.00
3	#####	0.00	#####	0.00	#####	0.00	#####	0.00	#####	0.00	#####	0.00	#####	0.00	######	0.00	#####	0.00	#####	0.00	#####	0.00
4	#####	0.00	#####	0.00	#####	0.00	#####	0.00	#####	0.00	#####	0.00	#####	0.00	######	0.00	#####	0.00	#####	0.00	#####	0.00
5	#####	0.00	#####	0.00	#####	0.00	#####	0.00	#####	0.00	#####	0.00	#####	0.00	######	0.00	#####	0.00	#####	0.00	#####	0.00
6	#####	0.00	#####	0.00	#####	0.00	#####	0.00	#####	0.00	#####	0.00	#####	0.00	######	0.00	#####	0.00	#####	0.00	#####	0.00
7	#####	0.00	#####	0.00	#####	0.00	#####	0.00	#####	0.00	#####	0.00	#####	0.00	######	0.00	#####	0.00	#####	0.00	#####	0.00
8	#####	0.00	#####	0.00	#####	0.00	#####	0.00	#####	0.00	#####	0.00	#####	0.00	######	0.00	#####	0.00	#####	0.00	#####	0.00
9	#####	0.00	#####	0.00	#####	0.00	#####	0.00	#####	0.00	#####	0.00	#####	0.00	######	0.00	#####	0.00	#####	0.00	#####	0.00
Right Bank	N/A	0.00	N/A	0.00	N/A	0.00	N/A	0.00	N/A	0.00	N/A	0.00	N/A	0.00	N/A	0.00	N/A	0.00	N/A	0.00	N/A	0.00
Feature Type (riffle, run, or pool)	N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A	

Notes: Transects will be measured beginning on left descending bank (0 depth) and finishing on right descending bank (0 depth). This width is the wetted width

GPS locations corresponds to Transect 01 and 11. Transects ordered in upstream to downstream order.

Depth measurements taken at 10 equally spaced locations along transect (determine bv dividing wetted width by ten)

Mark dry depth measurements as 0; record actual measurements to 0.01 meter unless depth is too deep to measure (then record as > 1)

All measurements to be taken to the nearest 0.01 meter.

Signed: Aaron Ball Date: 11.09.07

WBID # 912
Site # 2

Field Data Sheets For Recreatiuonal Use Stream Surveys

Data Sheet B-Site Characterization

Date & Time: 10/26/07 10:46	Site Location Description (e.g. road crossing):
Personnel: Aaron Ball, Drew Dodson	Kinnamon Rd.
Current Weather Conditions: cloudy	Facility Name: Odessa Municipal WWTF
Weather conditions for the past 10 days: 1.96 inches	Permit Number: MO 0026387
Drought conditions?: No drought ☑ ; Phase I ☐ ; Phase II ☐ ; Phase III ☐ ; Phase IV ☐ ; Unknown ☐	

Site Location:

Location Coordinates (Universal Transverse Mercator Projection, In Meters				
Site 01	Easting (UTM X):	Northing (UTM Y):	Horizontal Accuracy:	Meters
	0419626	4315558		5.1
Site 11	Easting (UTM X):	Northing (UTM Y):	Horizontal Accuracy:	Meters
	0419718	4315666		6.6

Photos:

Photo ID#	Photo Purpose	Photo ID#:	Photo Purpose	Photo ID#:	Photo Purpose
45	Downstream	46	Upstream		
Photo ID#	Photo Purpose	Photo ID#	Photo Purpose	Photo ID#	Photo Purpose
Photo ID#	Photo Purpose	Photo ID#	Photo Purpose	Photo ID#	Photo Purpose

Uses Observed:

☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water Skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☑ None of the above	☐ Other:
Describe:				

WBID # 912
Site # 2

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B- Site Characterization (Continued)

Surrounding Conditions:

☐ City/County parks	☐ playgrounds	☐ MDC conservation lands	☐ Urban areas	☑ Rural Residential
☐ Campgrounds	☐ State parks	☐ National Forests	☐ Nature trails	☐ Stairs/walkways
☐ Boating accesses	☑ Fence	☐ No tresspass sign	☐ Steep Slopes	☐ Other:
Comments: none				

Evidence of Human Use:

☑ Roads	☐ Foot path/prints	☐ Dock/platform	☐ Camping Sites	☐ Rope swings
☐ RV/ATV Tracks	☐ Fire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle	☐ Livestock watering
comments/other: none				

Substrate:

% Cobble	% Gravel	% Sand	% Silt	% Mud/Clay	% Bedrock
	10		30	60	

Aquatic Vegatation:

none

Water Characteristics:

Odor:	☐ Sewage	☐ Musky	☐ Chemical	☑ None	☐ Other:
Color:	☑ Clear	☐ Green	☐ Gray	☐ Milky	☐ Other:
Bottom Deposit:	☐ Sludge	☐ Solids	☐ Fine sediments	☑ None	☐ Other:
Surface Deposit:	☐ Oil	☐ Scum	☐ Foam	☑None	☐ Other:

WBID # 912
Site # 2

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization (continued)

Additional Stream Morphology: (Record isolated pools or other features identified during the survey that may support recreational uses)

Channel Feature	Distance from access location (m)	Width (m)	Length (m)	Median Depth (m)	Max Depth (m)

Comments: (Please record any additional comments here.)

none

Please verify that you have completed all sections, checked all applicable boxes, and that the form is complete.

Surveyor's Signature: Aaron Ball Date of Survey: 10/26/2007

Organization: SES, Inc. Position: Field Team Leader

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C - Field Survey Results

Waterbody ID: 912 Site #: 2

Estimated Channel Incision: 3.0 (m) (height between low bank width and water)

GPS Location - Easting (UTM X), Northing (UTM Y), Horizontal Accuracy Estimate (EPE / PDOP / FOM)

01 UTM X: 0419626 UTM Y: 4315558 +/- 5.1 (meters)

11 UTM X: 0419718 UTM Y: 4315666 +/- 6.6 (meters)

Average Stream Width: 3 (meters) (To determne Length of Reach)

Length of Survey Segment: 150 (meters) (20x average stream width)

Field Staff: Aaron Ball, Drew Dodson

Dissolved Oxygen

Date: 10/26/07 Time: 10:46

Dissolved Oxygen: 8.7 (mg/L)

Dissolved Oxygen: (% sat)

Specific Cond: (µS/cm)

Water Temperature: 11 (°C)

Transect Cross-Section

Station	01		02		03		04		05		06		07		08		09		10		11	
	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)
Left Bank	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0.1	0.10	0.1	0.05	0.1	0.05	0.1	0.05	0.1	0.05	0.5	0.20	0.1	0.05	0.1	0.05	0.2	0.05	0.1	0.05	0.3	0.10
2	0.2	0.15	0.2	0.10	0.2	0.05	0.2	0.05	0.2	0.10	1.0	0.30	0.2	0.05	0.2	0.10	0.4	0.05	0.2	0.10	0.6	0.20
3	0.3	0.20	0.3	0.05	0.3	0.05	0.3	0.10	0.3	0.10	1.5	0.40	0.3	0.05	0.3	0.15	0.6	0.10	0.3	0.10	0.9	0.20
4	0.4	0.20	0.4	0.05	0.4	0.05	0.4	0.05	0.4	0.10	2.0	0.55	0.4	0.05	0.4	0.20	0.8	0.10	0.4	0.10	1.2	0.25
5	0.5	0.15	0.5	0.05	0.5	0.05	0.5	0.10	0.5	0.05	2.5	0.50	0.5	0.05	0.5	0.20	1.0	0.20	0.5	0.10	1.5	0.30
6	0.6	0.15	0.6	0.05	0.6	0.05	0.6	0.10	0.6	0.05	3.0	0.40	0.6	0.05	0.6	0.15	1.2	0.15	0.6	0.10	1.8	0.30
7	0.7	0.10	0.7	0.05	0.7	0.05	0.7	0.10	0.7	0.05	3.5	0.25	0.7	0.05	0.7	0.15	1.4	0.10	0.7	0.10	2.1	0.25
8	0.8	0.10	0.8	0.05	0.8	0.05	0.8	0.05	0.8	0.05	4.0	0.30	0.8	0.05	0.8	0.10	1.6	0.05	0.8	0.05	2.4	0.20
9	0.9	0.05	0.9	0.05	0.9	0.05	0.9	0.05	0.9	0.05	4.5	0.05	0.9	0.05	0.9	0.05	1.8	0.05	0.9	0.05	2.7	0.10
Right Bank	1.0	0.00	1.0	0.00	1.0	0.00	1.0	0.00	1.0	0.00	5.0	0.00	1.0	0.00	1.0	0.00	2.0	0.00	1.0	0.00	3.0	0.00
Feature Type (riffle, run, or pool)	pool		pool		pool		pool		pool		pool		pool		pool		pool		pool		pool	

Notes: Transects will be measured beginning on left descending bank (0 depth) and finishing on right descending bank (0 depth). This width is the wetted width

GPS locations corresponds to Transect 01 and 11. Transects ordered in upstream to downstream order.

Depth measurements taken at 10 equally spaced locations along transect (determine bv dividing wetted width by ten)

Mark dry depth measurements as 0; record actual measurements to 0.01 meter unless depth is too deep to measure (then record as > 1)

All measurements to be taken to the nearest 0.01 meter.

Signed: Aaron Ball Date: 10.26.07

WBID # 912
Site # 3

Field Data Sheets For Recreatiuonal Use Stream Surveys

Data Sheet B-Site Characterization

Date & Time: 10/25/07 17:26	Site Location Description (e.g. road crossing):
Personnel: Aaron Ball, Drew Dodson	CR 401
Current Weather Conditions: Partly cloudy	Facility Name: Odessa Municipal WWTF
Weather conditions for the past 10 days: 1.96 inches	Permit Number: MO 0026387
Drought conditions?: No drought ☑ ; Phase I ☐ ; Phase II ☐ ; Phase III ☐ ; Phase IV ☐ ; Unknown ☐	

Site Location:

Location Coordinates (Universal Transverse Mercator Projection, In Meters				
Site 01	Easting (UTM X):	Northing (UTM Y):	Horizontal Accuracy:	Meters
	0421903	4315250		7.5
Site 11	Easting (UTM X):	Northing (UTM Y):	Horizontal Accuracy:	Meters
	0422083	4315103		6.6

Photos:

Photo ID#	Photo Purpose	Photo ID#:	Photo Purpose	Photo ID#:	Photo Purpose
36	Upstream	37	Livestock Watering	38	Downstream
Photo ID#	Photo Purpose	Photo ID#	Photo Purpose	Photo ID#	Photo Purpose
Photo ID#	Photo Purpose	Photo ID#	Photo Purpose	Photo ID#	Photo Purpose

Uses Observed:

☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water Skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☑ None of the above	☐ Other:
Describe:				

WBID # 912
Site # 3

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B- Site Characterization (Continued)

Surrounding Conditions:

☐ City/County parks	☐ playgrounds	☐ MDC conservation lands	☐ Urban areas	☐ Rural Residential
☐ Campgrounds	☐ State parks	☐ National Forests	☐ Nature trails	☐ Stairs/walkways
☐ Boating accesses	☑ Fence	☐ No tresspass sign	☐ Steep Slopes	☐ Other:
Comments: none				

Evidence of Human Use:

☑ Roads	☐ Foot path/prints	☐ Dock/platform	☐ Camping Sites	☐ Rope swings
☐ RV/ATV Tracks	☐ Fire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle	☑ Livestock watering
comments/other: none				

Substrate:

% Cobble	% Gravel	% Sand	% Silt	% Mud/Clay	% Bedrock
	50		10	40	

Aquatic Vegatation:

none

Water Characteristics:

Odor:	☐ Sewage	☐ Musky	☐ Chemical	☑ None	☐ Other:
Color:	☐ Clear	☐Green	☐ Gray	☑ Milky	☐ Other:
Bottom Deposit:	☐ Sludge	☐ Solids	☐ Fine sediments	☑ None	☐ Other:
Surface Deposit:	☐ Oil	☐ Scum	☐ Foam	☑None	☐ Other:

WBID # 912
Site # 3

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization (continued)

Additional Stream Morphology: (Record isolated pools or other features identified during the survey that may support recreational uses)

Channel Feature	Distance from access location (m)	Width (m)	Length (m)	Median Depth (m)	Max Depth (m)

Comments: (Please record any additional comments here.)

none

Please verify that you have completed all sections, checked all applicable boxes, and that the form is complete.

Surveyor's Signature: Aaron Ball Date of Survey: 10/25/2007

Organization: SES, Inc. Position: Field Team Leader

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C - Field Survey Results

Waterbody ID: 912 Site #: 3

Estimated Channel Incision: 4.0 (m) (height between low bank width and water)

GPS Location - Easting (UTM X), Northing (UTM Y), Horizontal Accuracy Estimate (EPE / PDOP / FOM)

01 UTM X: 0421903 UTM Y: 4315250 +/- 7.5 (meters)

11 UTM X: 0422083 UTM Y: 4315103 +/- 6.6 (meters)

Average Stream Width: 4 (meters) (To determne Length of Reach)

Length of Survey Segment: 150 (meters) (20x average stream width)

Field Staff: Aaron Ball, Drew Dodson

Dissolved Oxygen

Date: 10/25/07 Time: 17:26

Dissolved Oxygen: 15.4 (mg/L)

Dissolved Oxygen: (% sat)

Specific Cond: (µS/cm)

Water Temperature: 11.5 (°C)

Transect Cross-Section

Station	01		02		03		04		05		06		07		08		09		10		11	
	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)
Left Bank	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0.3	0.05	0.2	0.05	0.2	0.05	0.2	0.05	0.3	0.10	0.1	0.05	0.3	0.05	0.3	0.10	0.3	0.45	0.4	0.15	0.4	0.05
2	0.6	0.10	0.4	0.05	0.4	0.10	0.4	0.10	0.6	0.10	0.2	0.05	0.6	0.20	0.6	0.10	0.6	0.40	0.8	0.40	0.8	0.10
3	0.9	0.10	0.6	0.05	0.6	0.15	0.6	0.15	0.9	0.15	0.3	0.10	0.9	0.25	0.9	0.15	0.9	0.50	1.2	0.45	1.2	0.20
4	1.2	0.15	0.8	0.05	0.8	0.20	0.8	0.20	1.2	0.20	0.4	0.10	1.2	0.35	1.2	0.15	1.2	0.45	1.6	0.50	1.6	0.20
5	1.5	0.20	1.0	0.50	1.0	0.20	1.0	0.20	1.5	0.25	0.5	0.10	1.5	0.40	1.5	0.20	1.5	0.35	2.0	0.55	2.0	0.20
6	1.8	0.10	1.2	0.05	1.2	0.15	1.2	0.20	1.8	0.30	0.6	0.10	1.8	0.35	1.8	0.20	1.8	0.30	2.4	0.45	2.4	0.25
7	2.1	0.10	1.4	0.10	1.4	0.10	1.4	0.20	2.1	0.35	0.7	0.10	2.1	0.45	2.1	0.20	2.1	0.20	2.8	0.30	2.8	0.20
8	2.4	0.05	1.6	0.05	1.6	0.20	1.6	0.25	2.4	0.20	0.8	0.05	2.4	0.30	2.4	0.15	2.4	0.15	3.2	0.20	3.2	0.15
9	2.7	0.05	1.8	0.05	1.8	0.05	1.8	0.25	2.7	0.15	0.9	0.05	2.7	0.15	2.7	0.05	2.7	0.05	3.6	0.05	3.6	0.05
Right Bank	3.0	0.00	2.0	0.00	2.0	0.00	2.0	0.00	3.0	0.00	1.0	0.00	3.0	0.00	3.0	0.00	3.0	0.00	4.0	0.00	4.0	0.00
Feature Type (riffle, run, or pool)	riffle		riffle		pool		pool		pool		riffle		pool		pool		pool		pool		pool	

Notes: Transects will be measured beginning on left descending bank (0 depth) and finishing on right descending bank (0 depth). This width is the wetted width

GPS locations corresponds to Transect 01 and 11. Transects ordered in upstream to downstream order.

Depth measurements taken at 10 equally spaced locations along transect (determine bv dividing wetted width by ten)

Mark dry depth measurements as 0; record actual measurements to 0.01 meter unless depth is too deep to measure (then record as > 1)

All measurements to be taken to the nearest 0.01 meter.

Signed: Aaron Ball Date: 10/25/07

WBID # 912
Site # 4

Field Data Sheets For Recreatiuonal Use Stream Surveys

Data Sheet B-Site Characterization

Date & Time: 10/26/07 9:51	Site Location Description (e.g. road crossing):
Personnel: Aaron Ball, Drew Dodson	Weaver School
Current Weather Conditions: cloudy, light rain	Facility Name: Odessa Municipal WWTF
Weather conditions for the past 10 days: 1.96 inches	Permit Number: MO 0026387
Drought conditions?: No drought ☑ ; Phase I ☐ ; Phase II ☐ ; Phase III ☐ ; Phase IV ☐ ; Unknown ☐	

Site Location:

Location Coordinates (Universal Transverse Mercator Projection, In Meters				
Site 01	Easting (UTM X):	Northing (UTM Y):	Horizontal Accuracy:	Meters
	0424431	4313853		6.3
Site 11	Easting (UTM X):	Northing (UTM Y):	Horizontal Accuracy:	Meters
	0424628	4313876		5.1

Photos:

Photo ID#	Photo Purpose	Photo ID#:	Photo Purpose	Photo ID#:	Photo Purpose
43	Downstream	44	Upstream		
Photo ID#	Photo Purpose	Photo ID#	Photo Purpose	Photo ID#	Photo Purpose
Photo ID#	Photo Purpose	Photo ID#	Photo Purpose	Photo ID#	Photo Purpose

Uses Observed:

☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water Skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☑ None of the above	☐ Other:
Describe:				

WBID # 912
Site # 4

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B- Site Characterization (Continued)

Surrounding Conditions:

☐ City/County parks	☐ playgrounds	☐ MDC conservation lands	☐ Urban areas	☐ Rural Residential
☐ Campgrounds	☐ State parks	☐ National Forests	☐ Nature trails	☐ Stairs/walkways
☐ Boating accesses	☑ Fence	☐ No tresspass sign	☑ Steep Slopes	☐ Other:
Comments: none				

Evidence of Human Use:

☑ Roads	☐ Foot path/prints	☐ Dock/platform	☐ Camping Sites	☐ Rope swings
☐ RV/ATV Tracks	☐ Fire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle	☐ Livestock watering
comments/other:	trash (car battery)			

Substrate:

% Cobble	% Gravel	% Sand	% Silt	% Mud/Clay	% Bedrock
10			20	70	

Aquatic Vegatation:

none

Water Characteristics:

Odor:	☐ Sewage	☐ Musky	☐ Chemical	☑ None	☐ Other:
Color:	☐ Clear	☐Green	☐ Gray	☑ Milky	☐ Other:
Bottom Deposit:	☐ Sludge	☐ Solids	☐ Fine sediments	☑ None	☐ Other:
Surface Deposit:	☐ Oil	☐ Scum	☐ Foam	☑None	☐ Other:

WBID # 912
Site # 4

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization (continued)

Additional Stream Morphology: (Record isolated pools or other features identified during the survey that may support recreational uses)

Channel Feature	Distance from access location (m)	Width (m)	Length (m)	Median Depth (m)	Max Depth (m)

Comments: (Please record any additional comments here.)

none

Please verify that you have completed all sections, checked all applicable boxes, and that the form is complete.

Surveyor's Signature: Aaron Ball Date of Survey: 10/26/2007

Organization: SES, Inc. Position: Field Team Leader

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C - Field Survey Results

Waterbody ID: 912 Site #: 4

Estimated Channel Incision: 4.0 (m) (height between low bank width and water)

GPS Location - Easting (UTM X), Northing (UTM Y), Horizontal Accuracy Estimate (EPE / PDOP / FOM)

01 UTM X: 0424431 UTM Y: 4313853 +/- 6.3 (meters)

11 UTM X: 0424628 UTM Y: 4313876 +/- 5.1 (meters)

Average Stream Width: 6 (meters) (To determne Length of Reach)

Length of Survey Segment: 150 (meters) (20x average stream width)

Field Staff: Aaron Ball, Drew Dodson

Dissolved Oxygen

Date: 10/26/07 Time: 9:51

Dissolved Oxygen: 11.8 (mg/L)

Dissolved Oxygen: (% sat)

Specific Cond: (µS/cm)

Water Temperature: 10.3 (°C)

Transect Cross-Section

Station	01		02		03		04		05		06		07		08		09		10		11	
	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)
Left Bank	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0.5	0.10	0.5	0.20	0.5	0.20	0.3	0.10	0.4	0.10	0.5	0.40	0.4	0.50	0.5	0.45	0.4	0.10	0.5	0.20	0.6	0.05
2	1.0	0.20	1.0	0.60	1.0	0.30	0.6	0.30	0.8	0.15	1.0	0.80	0.8	0.70	1.0	0.65	0.8	0.15	1.0	0.40	1.2	0.05
3	1.5	0.20	1.5	0.75	1.5	0.40	0.9	0.40	1.2	0.15	1.5	0.80	1.2	0.80	1.5	0.70	1.2	0.25	1.5	0.50	1.8	0.05
4	2.0	0.40	2.0	0.90	2.0	0.45	1.2	0.40	1.6	0.10	2.0	0.85	1.6	0.90	2.0	0.70	1.6	0.20	2.0	0.55	2.4	0.25
5	2.5	0.50	2.5	0.85	2.5	0.50	1.5	0.50	2.0	0.10	2.5	0.80	2.0	0.90	2.5	0.60	2.0	0.20	2.5	0.50	3.0	0.40
6	3.0	0.45	3.0	0.70	3.0	0.60	1.8	0.60	2.4	0.10	3.0	0.60	2.4	0.80	3.0	0.30	2.4	0.30	3.0	0.55	3.6	0.55
7	3.5	0.45	3.5	0.40	3.5	0.40	2.1	0.70	2.8	0.20	3.5	0.60	2.8	0.70	3.5	0.40	2.8	0.30	3.5	0.40	4.2	0.50
8	4.0	0.40	4.0	0.25	4.0	0.20	2.4	0.60	3.2	0.20	4.0	0.40	3.2	0.50	4.0	0.30	3.2	0.30	4.0	0.20	4.8	0.55
9	4.5	0.20	4.5	0.10	4.5	0.10	2.7	0.45	3.6	0.15	4.5	0.30	3.6	0.10	4.5	0.20	3.6	0.15	4.5	0.20	5.4	0.60
Right Bank	5.0	0.00	5.0	0.00	5.0	0.00	3.0	0.00	4.0	0.00	5.0	0.00	4.0	0.00	5.0	0.00	4.0	0.00	5.0	0.00	6.0	0.00
Feature Type (riffle, run, or pool)	pool		pool		pool		pool		pool		pool		pool		pool		pool		pool		pool	

Notes: Transects will be measured beginning on left descending bank (0 depth) and finishing on right descending bank (0 depth). This width is the wetted width

GPS locations corresponds to Transect 01 and 11. Transects ordered in upstream to downstream order.

Depth measurements taken at 10 equally spaced locations along transect (determine bv dividing wetted width by ten)

Mark dry depth measurements as 0; record actual measurements to 0.01 meter unless depth is too deep to measure (then record as > 1)

All measurements to be taken to the nearest 0.01 meter.

Signed: Aaron Ball Date: 10/26/07

WBID # 912
Site # 5

Field Data Sheets For Recreatiuonal Use Stream Surveys

Data Sheet B-Site Characterization

Date & Time: 10/26/07 9:20	Site Location Description (e.g. road crossing):
Personnel: Aaron Ball, Drew Dodson	Oakland School
Current Weather Conditions: cloudy, light rain	Facility Name: Odessa Municipal WWTF
Weather conditions for the past 10 days: 1.96 inches	Permit Number: MO 0026387
Drought conditions?: No drought ☑ ; Phase I ☐ ; Phase II ☐ ; Phase III ☐ ; Phase IV ☐ ; Unknown ☐	

Site Location:

Location Coordinates (Universal Transverse Mercator Projection, In Meters				
Site 01	Easting (UTM X):	Northing (UTM Y):	Horizontal Accuracy:	Meters
	0427055	4314511		5.4
Site 11	Easting (UTM X):	Northing (UTM Y):	Horizontal Accuracy:	Meters
	0427296	4314403		4.8

Photos:

Photo ID#	Photo Purpose	Photo ID#:	Photo Purpose	Photo ID#:	Photo Purpose
41	Upstream	42	Downstream		
Photo ID#	Photo Purpose	Photo ID#	Photo Purpose	Photo ID#	Photo Purpose
Photo ID#	Photo Purpose	Photo ID#	Photo Purpose	Photo ID#	Photo Purpose

Uses Observed:

☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water Skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☑ None of the above	☐ Other:
Describe:				

WBID # 912
Site # 5

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B- Site Characterization (Continued)

Surrounding Conditions:

☐ City/County parks	☐ playgrounds	☐ MDC conservation lands	☐ Urban areas	☐ Rural Residential
☐ Campgrounds	☐ State parks	☐ National Forests	☐ Nature trails	☐ Stairs/walkways
☐ Boating accesses	☐ Fence	☐ No tresspass sign	☑ Steep Slopes	☐ Other:
Comments: none				

Evidence of Human Use:

☐ Roads	☐ Foot path/prints	☐ Dock/platform	☐ Camping Sites	☐ Rope swings
☐ RV/ATV Tracks	☐ Fire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle	☐ Livestock watering
comments/other:	none			

Substrate:

% Cobble	% Gravel	% Sand	% Silt	% Mud/Clay	% Bedrock
20				80	

Aquatic Vegatation:

none

Water Characteristics:

Odor:	☐ Sewage	☐ Musky	☐ Chemical	☑ None	☐ Other:
Color:	☐ Clear	☐ Green	☐ Gray	☑ Milky	☐ Other:
Bottom Deposit:	☐ Sludge	☐ Solids	☐ Fine sediments	☑ None	☐ Other:
Surface Deposit:	☐ Oil	☐ Scum	☐ Foam	☑None	☐ Other:

WBID # 912
Site # 5

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization (continued)

Additional Stream Morphology: (Record isolated pools or other features identified during the survey that may support recreational uses)

Channel Feature	Distance from access location (m)	Width (m)	Length (m)	Median Depth (m)	Max Depth (m)

Comments: (Please record any additional comments here.)

none

Please verify that you have completed all sections, checked all applicable boxes, and that the form is complete.

Surveyor's Signature: Aaron Ball Date of Survey: 10/26/2007

Organization: SES, Inc. Position: Field Team Leader

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C - Field Survey Results

Waterbody ID: 912 Site #: 5

Estimated Channel Incision: 5.0 (m) (height between low bank width and water)

GPS Location - Easting (UTM X), Northing (UTM Y), Horizontal Accuracy Estimate (EPE / PDOP / FOM)

01 UTM X: 0427055 UTM Y: 4314511 +/- 5.4 (meters)

11 UTM X: 0427296 UTM Y: 4314403 +/- 4.8 (meters)

Average Stream Width: 5 (meters) (To determne Length of Reach)

Length of Survey Segment: 150 (meters) (20x average stream width)

Field Staff: Aaron Ball, Drew Dodson

Dissolved Oxygen

Date: 10/26/07 Time: 9:20

Dissolved Oxygen: 14.9 (mg/L)

Dissolved Oxygen: (% sat)

Specific Cond: (µS/cm)

Water Temperature: 10.5 (°C)

Transect Cross-Section

	01		02		03		04		05		06		07		08		09		10		11	
Station	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)
Left Bank	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0.5	0.40	0.4	0.25	0.7	0.15	0.6	0.20	0.6	0.30	0.6	0.30	0.5	0.60	0.7	0.40	0.6	0.55	0.6	0.20	0.6	0.40
2	1.0	0.50	0.8	0.40	1.4	0.20	1.2	0.25	1.2	0.50	1.2	0.40	1.0	0.80	1.4	0.70	1.2	1.00	1.2	0.45	1.2	0.60
3	1.5	0.50	1.2	0.50	2.1	0.35	1.8	0.40	1.8	0.55	1.8	0.30	1.5	0.70	2.1	0.70	1.8	1.00	1.8	0.65	1.8	0.60
4	2.0	0.55	1.6	0.55	2.8	0.35	2.4	0.50	2.4	0.55	2.4	0.35	2.0	0.80	2.8	0.80	2.4	1.00	2.4	0.80	2.4	0.60
5	2.5	0.50	2.0	0.50	3.5	0.40	3.0	0.50	3.0	0.55	3.0	0.40	2.5	0.80	3.5	0.80	3.0	1.00	3.0	0.85	3.0	0.95
6	3.0	0.40	2.4	0.35	4.2	0.35	3.6	0.55	3.6	0.55	3.6	0.65	3.0	0.80	4.2	0.72	3.6	1.00	3.6	0.80	3.6	0.90
7	3.5	0.35	2.8	0.25	4.9	0.25	4.2	0.50	4.2	0.50	4.2	0.65	3.5	0.60	4.9	0.65	4.2	1.00	4.2	0.65	4.2	0.75
8	4.0	0.30	3.2	0.15	5.6	0.20	4.8	0.45	4.8	0.45	4.8	0.55	4.0	0.45	5.6	0.60	4.8	1.00	4.8	0.55	4.8	0.55
9	4.5	0.20	3.6	0.05	6.3	0.15	5.4	0.15	5.4	0.40	5.4	0.25	4.5	0.15	6.3	0.30	5.4	0.70	5.4	0.30	5.4	0.40
Right Bank	5.0	0.00	4.0	0.00	7.0	0.00	6.0	0.00	6.0	0.00	6.0	0.00	5.0	0.00	7.0	0.00	6.0	0.00	6.0	0.00	6.0	0.00
Feature Type (riffle, run, or pool)	pool		pool		pool		pool		pool		pool		pool		pool		pool		pool		pool	

Notes: Transects will be measured beginning on left descending bank (0 depth) and finishing on right descending bank (0 depth). This width is the wetted width

GPS locations corresponds to Transect 01 and 11. Transects ordered in upstream to downstream order.

Depth measurements taken at 10 equally spaced locations along transect (determine bv dividing wetted width by ten)

Mark dry depth measurements as 0; record actual measurements to 0.01 meter unless depth is too deep to measure (then record as > 1)

All measurements to be taken to the nearest 0.01 meter.

Signed: Aaron Ball Date: 10/26/07

WBID # 912
Site # 6

Field Data Sheets For Recreatiuonal Use Stream Surveys

Data Sheet B-Site Characterization

Date & Time: 10/26/07 8:10	Site Location Description (e.g. road crossing):
Personnel: Aaron Ball, Drew Dodson	Highway H
Current Weather Conditions: cloudy	Facility Name: Odessa Municipal WWTF
Weather conditions for the past 10 days: 1.96 inches	Permit Number: MO 0026387
Drought conditions?: No drought ☑ ; Phase I ☐ ; Phase II ☐ ; Phase III ☐ ; Phase IV ☐ ; Unknown ☐	

Site Location:

Location Coordinates (Universal Transverse Mercator Projection, In Meters				
Site 01	Easting (UTM X):	Northing (UTM Y):	Horizontal Accuracy:	Meters
	0429136	4313667		6.3
Site 11	Easting (UTM X):	Northing (UTM Y):	Horizontal Accuracy:	Meters
	0429405	4313739		9.3

Photos:

Photo ID#	Photo Purpose	Photo ID#:	Photo Purpose	Photo ID#:	Photo Purpose
39	Downstream	40	Upstream		
Photo ID#	Photo Purpose	Photo ID#	Photo Purpose	Photo ID#	Photo Purpose
Photo ID#	Photo Purpose	Photo ID#	Photo Purpose	Photo ID#	Photo Purpose

Uses Observed:

☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water Skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☑ None of the above	☐ Other:
Describe:				

WBID # 912
Site # 6

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B- Site Characterization (Continued)

Surrounding Conditions:

☐ City/County parks	☐ playgrounds	☐ MDC conservation lands	☐ Urban areas	☐ Rural Residential
☐ Campgrounds	☐ State parks	☐ National Forests	☐ Nature trails	☐ Stairs/walkways
☐ Boating accesses	☐ Fence	☐ No tresspass sign	☑ Steep Slopes	☐ Other:
Comments: none				

Evidence of Human Use:

☑ Roads	☐ Foot path/prints	☐ Dock/platform	☐ Camping Sites	☐ Rope swings
☐ RV/ATV Tracks	☐ Fire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle	☐ Livestock watering
comments/other: none				

Substrate:

% Cobble	% Gravel	% Sand	% Silt	% Mud/Clay	% Bedrock
15				85	

Aquatic Vegatation:

none

Water Characteristics:

Odor:	☐ Sewage	☐ Musky	☐ Chemical	☑ None	☐ Other:
Color:	☐ Clear	☐Green	☐ Gray	☑ Milky	☐ Other:
Bottom Deposit:	☐ Sludge	☐ Solids	☐ Fine sediments	☑ None	☐ Other:
Surface Deposit:	☐ Oil	☐ Scum	☐ Foam	☑None	☐ Other:

WBID # 912
Site # 6

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization (continued)

Additional Stream Morphology: (Record isolated pools or other features identified during the survey that may support recreational uses)

Channel Feature	Distance from access location (m)	Width (m)	Length (m)	Median Depth (m)	Max Depth (m)

Comments: (Please record any additional comments here.)

none

Please verify that you have completed all sections, checked all applicable boxes, and that the form is complete.

Surveyor's Signature: Aaron Ball Date of Survey: 10/26/2007

Organization: SES, Inc. Position: Field Team Leader

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C - Field Survey Results

Waterbody ID: 912 Site #: 6

Estimated Channel Incision: 5.0 (m) (height between low bank width and water)

GPS Location - Easting (UTM X), Northing (UTM Y), Horizontal Accuracy Estimate (EPE / PDOP / FOM)

01 UTM X: 0429136 UTM Y: 4313667 +/- 6.3 (meters)

11 UTM X: 0429405 UTM Y: 4313739 +/- 9.3 (meters)

Average Stream Width: 7 (meters) (To determne Length of Reach)

Length of Survey Segment: 150 (meters) (20x average stream width)

Field Staff: Aaron Ball, Drew Dodson

Dissolved Oxygen

Date: 10/26/07 Time: 8:10

Dissolved Oxygen: 15.2 (mg/L)

Dissolved Oxygen: (% sat)

Specific Cond: (µS/cm)

Water Temperature: 10.3 (°C)

Transect Cross-Section

	01		02		03		04		05		06		07		08		09		10		11	
Station	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)
Left Bank	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1.3	0.20	0.9	0.20	0.6	0.20	1.3	0.15	1.2	0.10	1.2	0.10	1.2	0.40	1.0	0.75	0.8	0.90	0.8	0.20	1.0	0.35
2	2.6	0.20	1.8	0.30	1.2	0.35	2.6	0.30	2.4	0.25	2.4	0.20	2.4	0.55	2.0	1.00	1.6	1.00	1.6	0.80	2.0	0.70
3	3.9	0.25	2.7	0.40	1.8	0.40	3.9	0.60	3.6	0.15	3.6	0.20	3.6	0.80	3.0	1.00	2.4	1.00	2.4	1.00	3.0	0.80
4	5.2	0.20	3.6	0.55	2.4	0.40	5.2	0.55	4.8	0.35	4.8	0.20	4.8	0.95	4.0	1.00	3.2	1.00	3.2	1.00	4.0	0.85
5	6.5	0.40	4.5	0.80	3.0	0.40	6.5	0.50	6.0	0.30	6.0	0.25	6.0	1.00	5.0	1.00	4.0	1.00	4.0	1.00	5.0	0.95
6	7.8	0.70	5.4	0.72	3.6	0.40	7.8	0.45	7.2	0.35	7.2	0.65	7.2	1.00	6.0	1.00	4.8	1.00	4.8	1.00	6.0	1.00
7	9.1	0.55	6.3	0.40	4.2	0.35	9.1	0.65	8.4	0.50	8.4	0.70	8.4	1.00	7.0	1.00	5.6	1.00	5.6	1.00	7.0	1.00
8	10.4	0.20	7.2	0.20	4.8	0.20	10.4	0.60	9.6	0.50	9.6	0.80	9.6	0.70	8.0	1.00	6.4	1.00	6.4	0.75	8.0	0.95
9	11.7	0.20	8.1	0.15	5.4	0.10	11.7	0.60	10.8	0.50	10.8	0.30	10.8	0.70	9.0	0.85	7.2	0.90	7.2	0.40	9.0	0.50
Right Bank	13.0	0.00	9.0	0.00	6.0	0.00	13.0	0.00	12.0	0.00	12.0	0.00	12.0	0.00	10.0	0.00	8.0	0.00	8.0	0.00	10.0	0.00
Feature Type (riffle, run, or pool)	pool		pool		pool		pool		pool		pool		pool		pool		pool		pool		pool	

Notes: Transects will be measured beginning on left descending bank (0 depth) and finishing on right descending bank (0 depth). This width is the wetted width

GPS locations corresponds to Transect 01 and 11. Transects ordered in upstream to downstream order.

Depth measurements taken at 10 equally spaced locations along transect (determine bv dividing wetted width by ten)

Mark dry depth measurements as 0; record actual measurements to 0.01 meter unless depth is too deep to measure (then record as > 1)

All measurements to be taken to the nearest 0.01 meter.

Signed: Aaron Ball Date: 10/26/07

WBID# 0912 Davis Creek

Site# 1 Photo ID# 47, Upstream

Site# 1 Photo ID# 48, Downstream,

Site#2 Photo ID# 46, Upstream

Site# 2 Photo ID# 45, Downstream

WBID# 0912 Davis Creek

Site# 3 Photo ID# 36, Upstream

Site# 3 Photo ID# 38, Downstream,

Site#3 Photo ID# 37, Livestock watering

Site# 4 Photo ID# 43, Downstream

WBID# 0912 Davis Creek

Site# 4 Photo ID# 44, Upstream

Site# 5 Photo ID# 42, Downstream,

Site# 5 Photo ID# 41, Upstream

Site# 6 Photo ID# 39, Downstream

WBID# 0912 Davis Creek

Site# 6 Photo ID# 40, Upstream